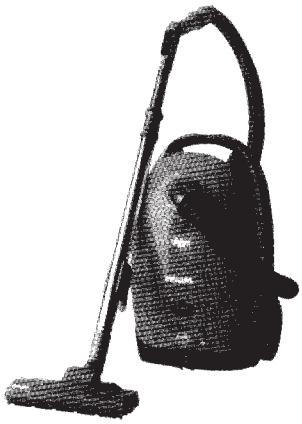
Vacuum cleaner

Service
Service
Service

Service Information | Service Information | Service Information



HR 8731 HR 8837
HR 8733 HR 8838
HR 8735 HR 8847
HR 8745
HR 8765 HR 8948
HR 8978

Philips Domestic Appliances and Personal Care

Service Manual

PRODUCT INFORMATION

- Maximum air displacement	:	34 l/sec.
- Maximum vacuum water column	:	275 cm
- Power consumption (IEC) 225V	:	1200W
- Dust storage capacity	:	4 litres
- Cord length (depends on version)	:	6 or 8.5 metres
- Filter system (depends on version)	:	Paper dustbag
	:	Exhaust air filter
	:	Motor inlet filter
	:	or carbon filter
Dimensions cleaner	:	48 x 30 x 25 cm
Weight without accessories	:	6.4 kg

OPTIONAL

Exhaust air filter	HR 6932	(4822 015 70056)	
Cotton dustbag	HR 6935	(4822 480 10072)	
Paper dustbag set	HR 6938	(4822 015 70049)	economy
Paper dustbag set	HR 6938	(4822 015 70057)	hygiene
Hard floor nozzle	HR 6943		
Carbon inlet filter	HR 6949	(4822 480 20145)	
Dust sensor	HR 6953	(4822 452 80167)	
Turbo brush	HR 6974	(4822 479 50063)	
Brush of e. nozzle	HR 6991	(4822 479 30179)	
S-class filter	HR 6992	(4822 480 10084)	

ADJUSTING THE PCB ON THE MOTOR TO 220V, 60Hz

1. Make sure that the potentiometer (item 58) is set at **min. position.**
2. Adjust the potentiometer on the PCB (item 44) on the motor to 220V/60Hz. to allow the motor to run smootly.

Please note: * that the standard setting of the PCB is 230V, 50Hz
* that there are open-circuit voltages on all wires.

MSH coding:

8838 731 00000	(red)		8838 837 00000	(green)
8838 733 00000	(orange)		8838 838 00000	(aubergine)
8838 735 00000	(blue)		8838 847 00000	(green)
8838 745 00000	(blue)		8838 948 00000	(aubergine)
8838 765 00000	(blue)		8838 978 00000	(aubergine)

SERVICE INFORMATION

- To open the appliance, first remove the panel (item 13) with a big screw driver (V) to disconnect the 4 snap locks and then remove the two pedals (items 1 and 14) with a pin (W), max. diameter 2.5 mm.
- Power meter (8838 000 80300) is a commercial item with a fixed air displacement which measures the vacuum of the appliance.
- Component configuration on exploded view may differ in case of specific versions. However, the actual components are distinguished by means of code numbers.
- If a repair has been made, make sure that all functions of the appliance are working correctly.
- The spare parts have been standarized as much a possible.
  (x) = standarized spare part in appliance concerned.
  x = original spare part in appliance concerned.
- Item 15 HR 8978 printed circuit board is provided with a diagnostic program which is activated when cleaner is switched on (sound and light signals)
- Item 16 Cotton dustbag is used in those countries where paper dustbags are not available.
- Item 17 suction hose must be 460 mm in the x versions and must be shortened to 420 mm in the (x) versions.
- Item 19 wire beam is provided with a pressure hose (only used in the version HR 8978) and 4 connecting wires (brown and blue only used in the versions HR 8948 an HR 8978).
- Item 120 up to and including 156. The assembly of accessories depends on the national version.
- Item 21 is provided with the long cord-winder spring; both long and short cords can be used in combination with this spring.
- To disassemble the cordwinder use TORX screw driver no T15, which is one of a set consisting of T20, T15, T10, T9, T8, T7, and T6 = 4822 395 50145.
- Depending on the orginal cord, the spare cord must be shortened from 8.5 into 6 metres.
- Item 37 is provided with a control button to activate the microswitch.
- Item 34. Remove the control lever in the versions without microswitch.
- Item 43 air valve opens to cool the motor if the air displacement is too low or if the air flow is blocked.
- Item 155 Belt tension is 5 Newtons or 120-150mA after 1 min. turning.
- All vacuum cleaners can switched on with or without (remote control) hose.

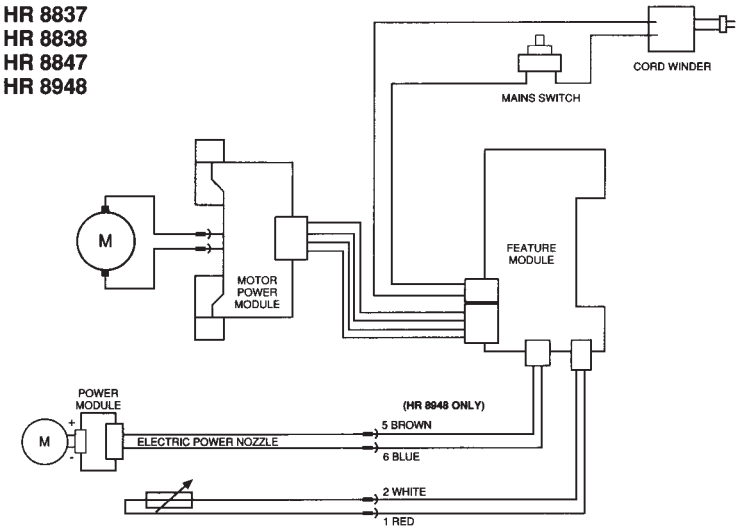
Published by Philips Domestic Appliances and Personal Care Printed in The Netherlands ©Copyright reserved Subject to modification

4822 729 21641
96/02

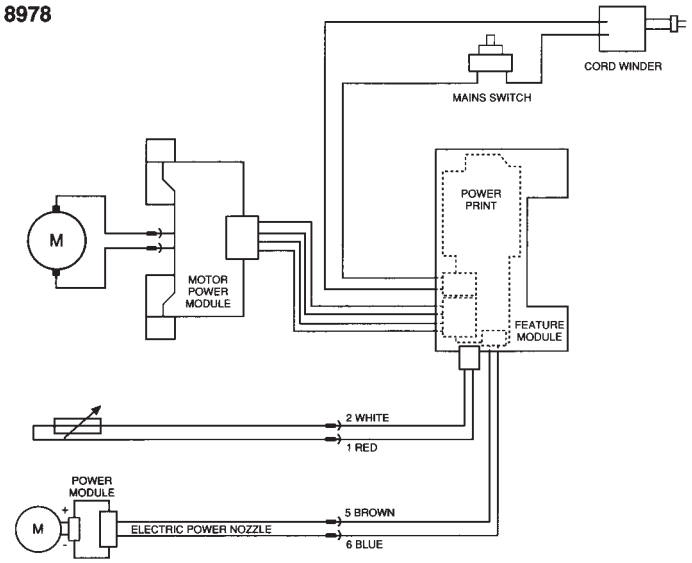
PCS 86 700

PHILIPS

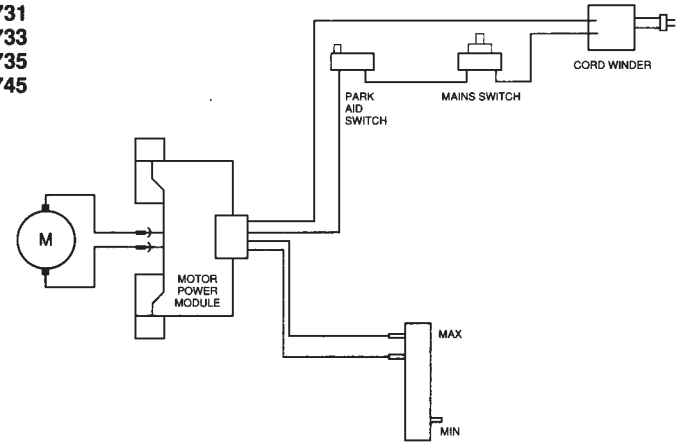
HR 8837
HR 8838
HR 8847
HR 8948



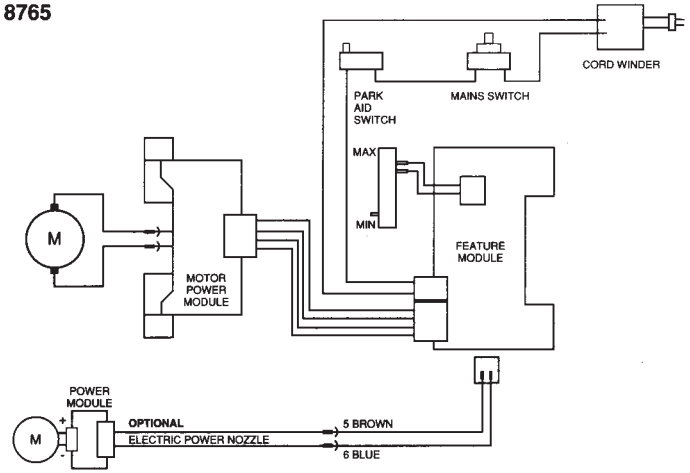
HR 8978

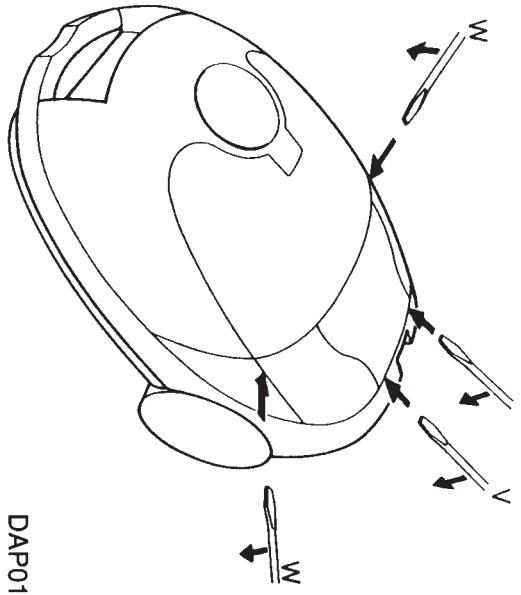


HR 8731
HR 8733
HR 8735
HR 8745



HR 8765

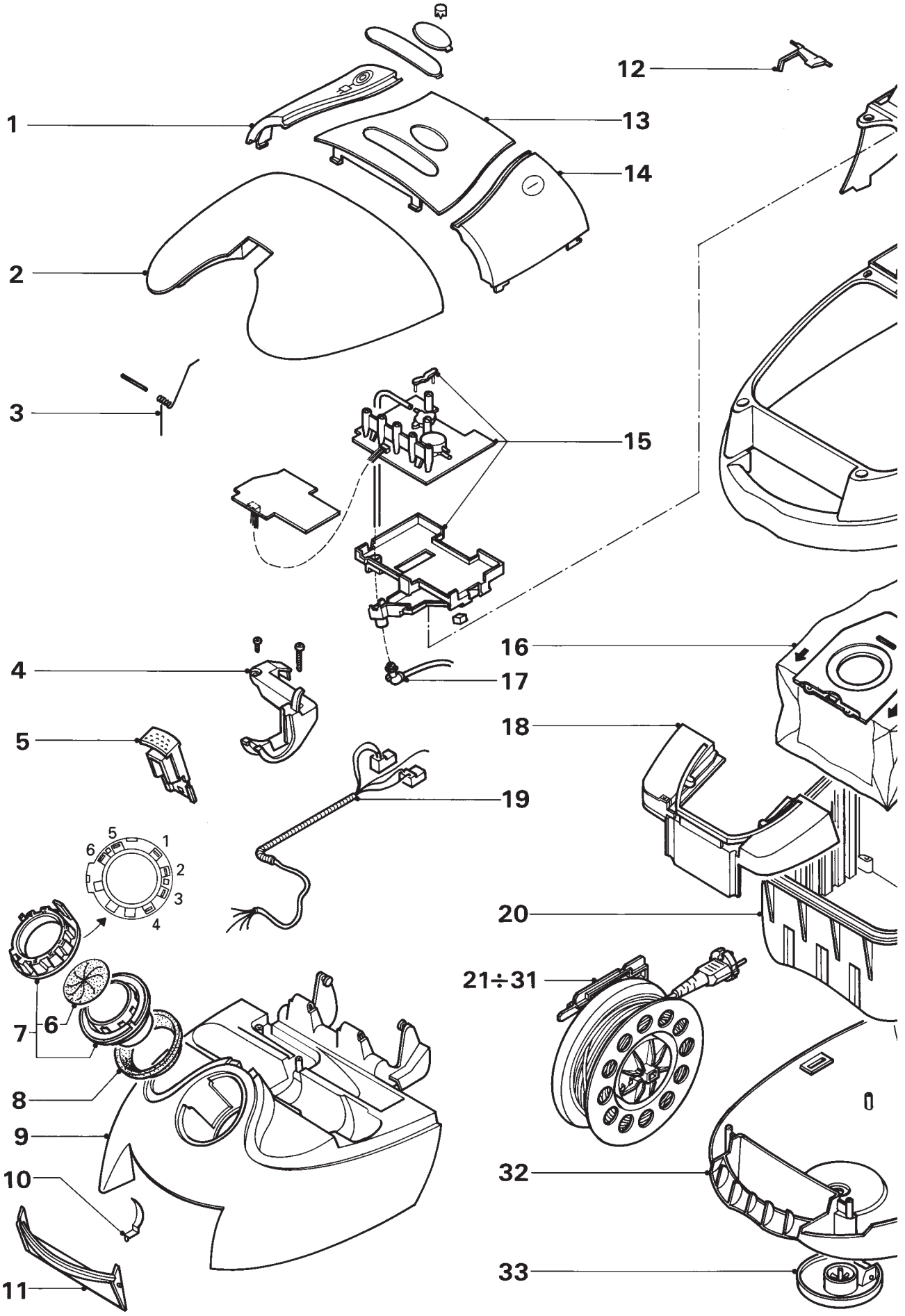


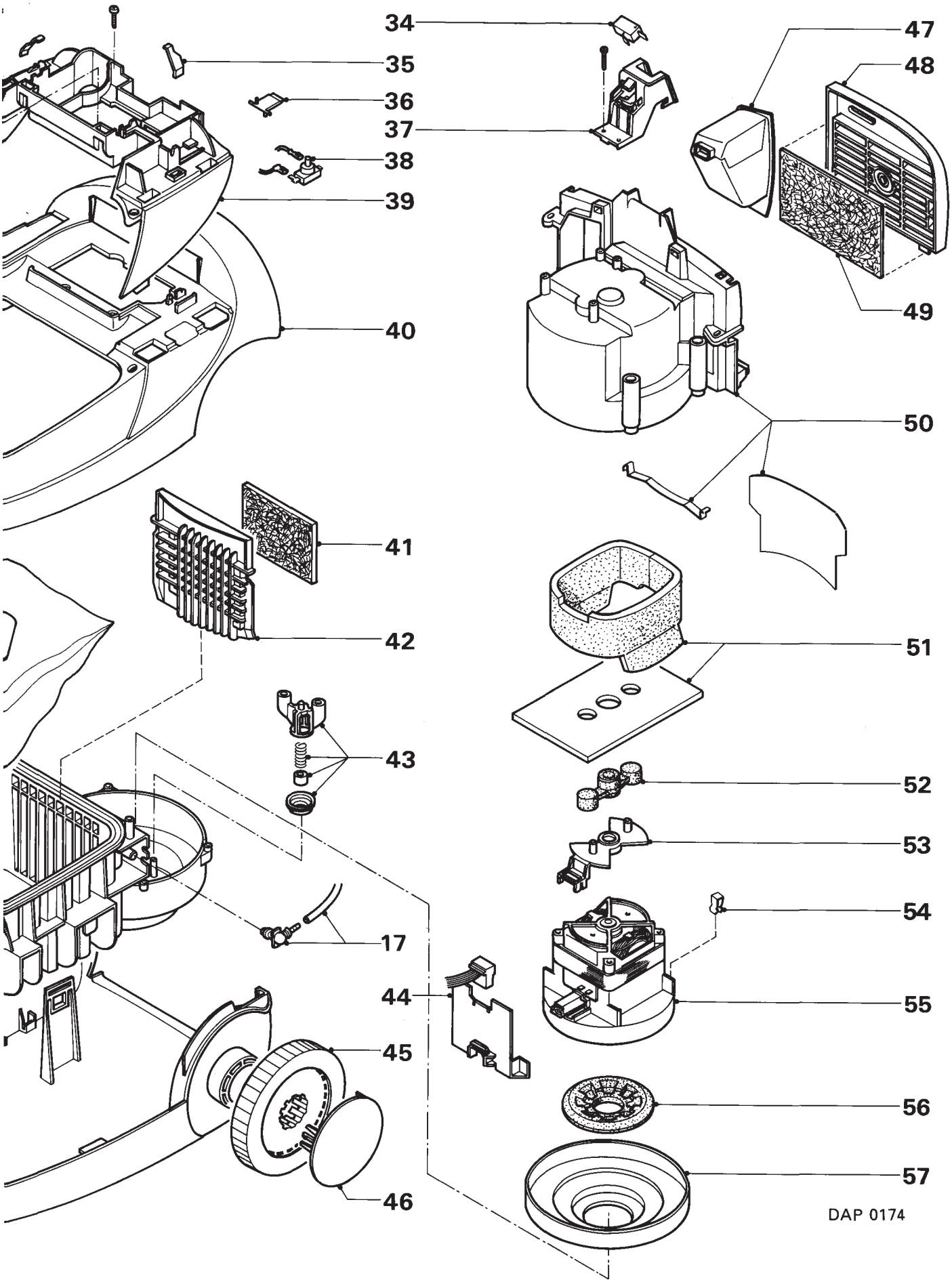


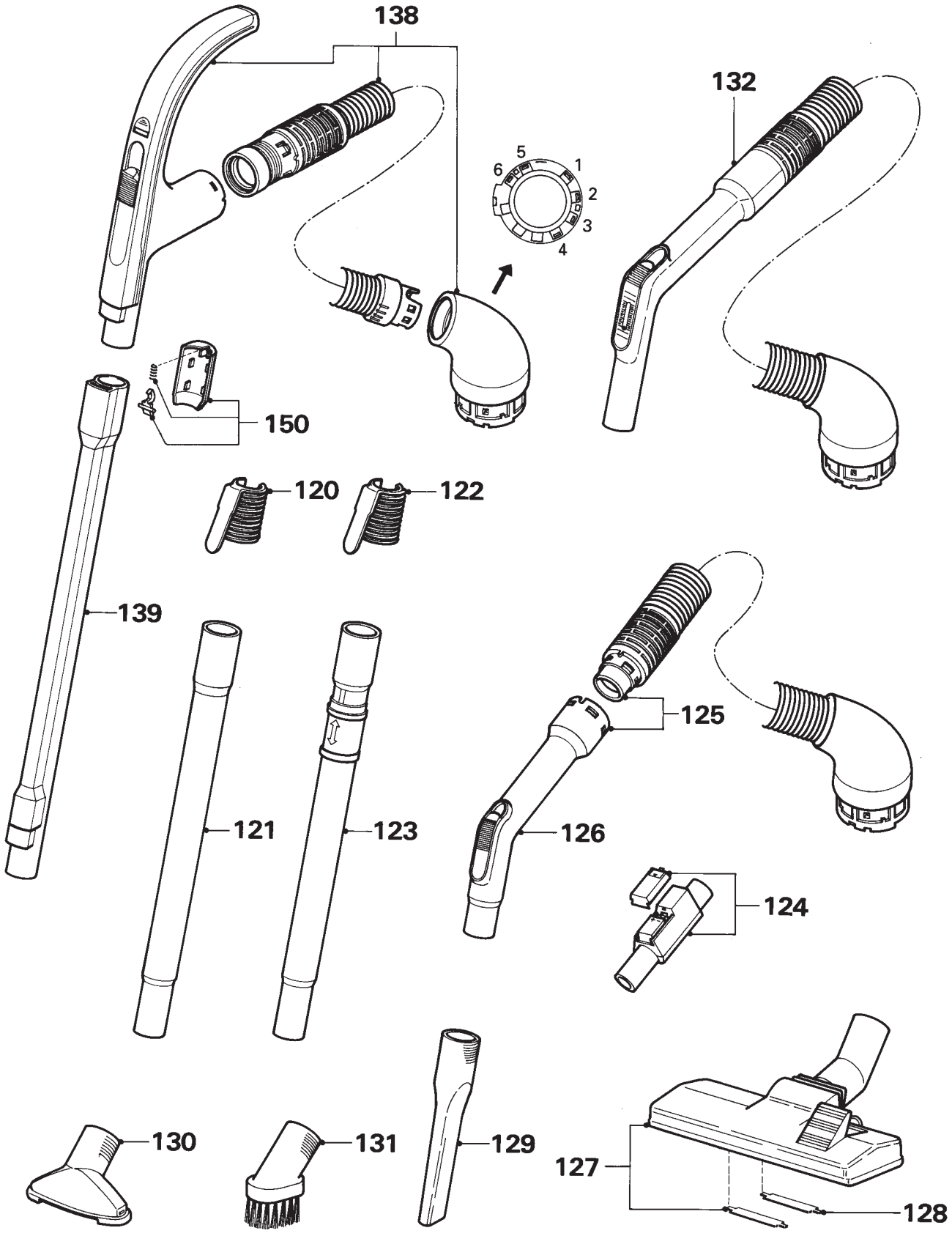
DAP0179

HR 8... pos	4822	.731	.733	.735	.745	.765	.837	.838	.847	.948	.978	Description
1	466 10773	-	-	x	x	x	-	-	-	-	-	cord-winder pedal
	466 10778	-	-	-	-	-	x	-	x	-	-	cord-winder pedal
	466 10769	-	x	-	-	-	-	-	-	-	-	cord-winder pedal
	466 10782	-	-	-	-	-	-	x	-	x	x	cord-winder pedal
	466 10762	x	-	-	-	-	-	-	-	-	-	cord-winder pedal
2	442 00062	-	-	x	x	x	-	-	-	-	-	accessory cover
	442 00067	-	-	-	-	-	x	-	x	-	-	accessory cover
	442 00059	-	x	-	-	-	-	-	-	-	-	accessory cover
	442 00071	-	-	-	-	-	-	x	-	x	x	accessory cover
	442 00054	x	-	-	-	-	-	-	-	-	-	accessory cover
3	492 11044	x	x	x	x	x	x	x	x	x	x	acc. cover spring
4	442 00066	-	-	x	x	x	-	-	-	-	-	lead lid
	442 00072	-	-	-	-	-	-	x	-	x	x	lead lid
	442 00068	-	-	-	-	-	x	-	x	-	-	lead lid
	442 00065	-	x	-	-	-	-	-	-	-	-	lead lid
	442 00064	x	-	-	-	-	-	-	-	-	-	lead lid
5	417 11264	x	x	x	x	x	x	x	x	x	x	acc. cover lock
6	532 12374	x	x	x	x	x	x	x	x	x	x	diaphragm valve
7	528 10943	x	x	x	x	x	x	x	x	x	-	swivel connector
	528 10946	-	-	-	-	-	-	-	-	-	x	swivel connector
8	532 70286	x	x	x	x	x	x	x	x	x	x	sealing rubber
9	442 00063	-	-	x	x	x	-	-	-	-	-	dust cover
	442 00069	-	-	-	-	-	x	-	x	-	-	dust cover
	442 00061	-	x	-	-	-	-	-	-	-	-	dust cover
	442 00073	-	-	-	-	-	-	x	-	x	x	dust cover
	442 00055	x	-	-	-	-	-	-	-	-	-	dust cover
10	492 11045	x	x	x	x	x	x	x	x	x	x	dust-cover spring
11	460 11026	-	-	x	x	x	-	-	-	-	-	dust-cover snaplock
	460 11027	-	-	-	-	-	x	-	x	-	-	dust-cover snaplock
	460 11025	-	x	-	-	-	-	-	-	-	-	dust-cover snaplock
	460 11028	-	-	-	-	-	-	x	-	x	x	dust-cover snaplock
	460 11024	x	-	-	-	-	-	-	-	-	-	dust-cover snaplock
12	402 10108	x	x	x	x	x	x	x	x	x	x	cord-winder lever
13	466 10763	x	-	-	-	-	-	-	-	-	-	version panel
	466 10771	-	x	-	-	-	-	-	-	-	-	version panel
	466 10774	-	-	(x)	x	-	-	-	-	-	-	version panel
	466 10777	-	-	-	-	x	-	-	-	-	-	version panel
	466 10779	-	-	-	-	-	x	-	-	-	-	version panel
	466 10783	-	-	-	-	-	-	x	-	-	-	version panel
	466 10785	-	-	-	-	-	-	-	x	-	-	version panel
	466 10786	-	-	-	-	-	-	-	-	x	-	version panel
	466 10787	-	-	-	-	-	-	-	-	-	x	version panel
14	466 10775	-	-	x	x	x	-	-	-	-	-	switch pedal
	466 10781	-	-	-	-	-	x	-	x	-	-	switch pedal
	466 10772	-	x	-	-	-	-	-	-	-	-	switch pedal
	466 10784	-	-	-	-	-	-	x	-	x	x	switch pedal
	466 10764	x	-	-	-	-	-	-	-	-	-	switch pedal
15	214 11309	-	-	-	-	-	x	x	x	x	-	PCB
	214 11308	-	-	-	-	x	-	-	-	-	-	PCB 230V/50Hz
	214 11407	-	-	-	-	x	-	-	-	-	-	PCB 220V/60Hz
	214 11311	-	-	-	-	-	-	-	-	-	x	PCB
16	015 70049	x	x	x	x	x	x	x	x	x	x	paper dustbags eco.
	015 70057	x	x	x	x	x	x	x	x	x	x	paper dustbags hyg.
	480 10072	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	cotton dustbag
17	530 10246	x	x	x	x	(x)	(x)	(x)	(x)	(x)	(x)	suction hose (460)
18	256 10155	x	x	x	x	x	x	x	x	x	x	dustbag holder
19	320 11181	-	-	-	-	-	(x)	(x)	(x)	(x)	x	connecting cable
20	441 11625	x	x	x	x	x	x	x	x	x	x	dust chamber
21	492 71489	(x)	(x)	x	x	x	x	x	x	x	x	reel half spring unit
22	466 10776	x	x	x	x	x	x	x	x	x	x	connection piece
23	532 52554	x	x	x	x	x	x	x	x	x	x	brake tyre
24	528 10836	x	x	x	x	x	x	x	x	x	x	reel half contact unit
25	290 81474	x	x	x	x	x	x	x	x	x	x	contact-ring plate
26	321 10816	x	x	x	x	x	x	x	x	x	x	cordset Australia
27	321 10822	x	x	x	x	x	x	x	x	x	x	cordset Japan
28	321 10818	x	x	x	x	x	x	x	x	x	x	cordset UK
29	321 10783	(x)	(x)	x	x	x	x	x	x	x	x	cordset
30	321 10806	x	x	x	x	x	x	x	x	x	x	cordset
31	321 10815	x	x	x	x	x	x	x	x	x	x	cordset
32	441 11626	x	x	x	x	x	x	x	x	x	x	lower housing

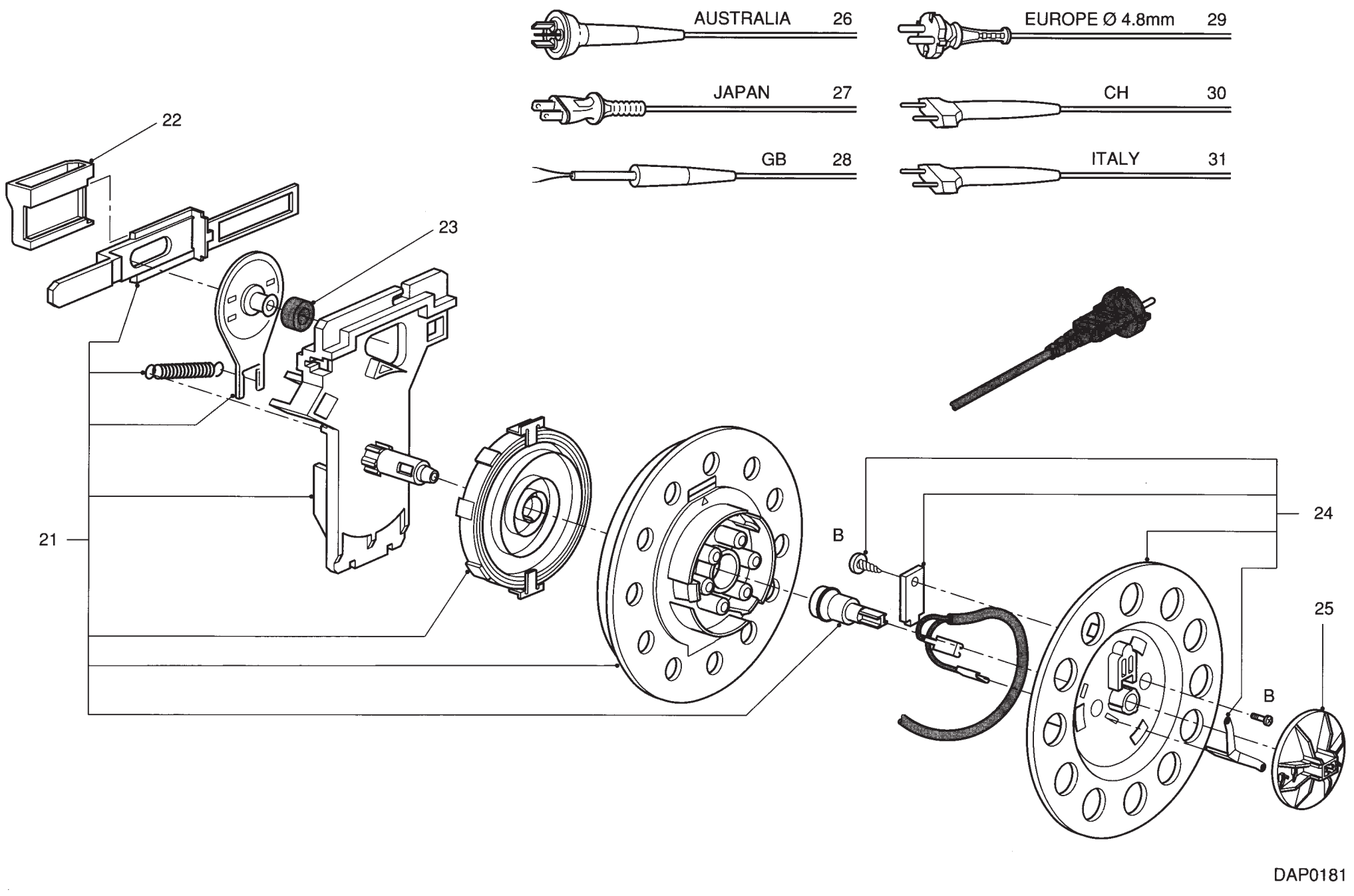
HR 8... pos	4822	.731	.733	.735	.745	.765	.837	.838	.847	.948	.978	Description
33	528 10925	x	x	x	x	x	x	x	x	x	x	caster assy
34	271 30856	x	x	x	x	x	-	-	-	-	-	micro-switch
35	492 11009	x	x	x	x	x	x	x	x	x	x	button spring
36	404 40703	x	x	x	x	x	x	x	x	x	x	switch lever
37	402 10111	x	x	x	x	x	(x)	(x)	(x)	(x)	(x)	parking hook
38	276 13205	x	x	x	x	x	x	x	x	x	x	main switch
39	441 11632	-	-	x	x	x	-	-	-	-	-	button panel
	441 11633	-	-	-	-	-	x	-	x	-	-	button panel
	441 11631	-	x	-	-	-	-	-	-	-	-	button panel
	441 11634	-	-	-	-	-	-	x	-	x	x	button panel
	441 11627	x	-	-	-	-	-	-	-	-	-	button panel
40	441 11628	x	x	x	x	x	x	x	x	x	x	upper housing
41	480 40234	x	x	x	-	x	x	x	-	-	-	safety filter duo
	480 10084	-	-	-	-	-	-	-	-	-	-	s - filter
	480 20145	-	-	-	x	-	-	-	x	x	x	carbon filter
42	458 10458	x	x	x	-	x	x	x	-	-	-	safety filter grille
	458 10461	-	-	-	x	-	-	-	x	x	x	carbon filter grille
43	360 10157	x	x	x	x	x	x	x	x	x	x	air inlet valve
44	214 11359	x	x	x	x	x	-	-	-	-	-	power module dt 230V
	214 11361	-	-	-	-	-	x	x	x	x	x	power module 230V
45	528 10944	x	x	x	x	x	x	x	x	x	x	rear wheel
46	462 10636	x	x	x	x	x	x	x	x	x	x	rear wheel cap
47	462 10637	x	x	x	x	x	x	x	x	x	x	cord outlet
48	458 10459	x	x	x	x	x	x	x	x	x	x	back grille
49	015 70056	x	x	x	x	x	x	x	x	x	x	AFS filter
50	441 11629	x	x	x	x	x	x	x	x	x	x	motor housing
51	532 12375	x	x	x	x	x	x	x	x	x	x	silencers
52	466 10765	x	x	x	x	x	x	x	x	x	x	back motor buffer
53	402 10109	x	x	x	x	x	x	x	x	x	x	suspension bracket
54	492 11011	x	x	x	x	x	x	x	x	x	x	PCB mounting spring
55	361 10768	x	x	x	x	x	x	x	x	x	x	motor 1241 - 230V
56	466 62655	x	x	x	x	x	x	x	x	x	x	front motor buffer
57	466 10766	x	x	x	x	x	x	x	x	x	x	motor disc 1241
58	101 11361	x	x	x	x	x	-	-	-	-	-	potentiometer
59	450 10067	x	x	x	x	-	-	-	-	-	-	suct. power indicator
120	492 71622	x	-	-	-	-	x	-	-	x	x	metal-tube clip
121	530 10229	x	-	-	-	-	x	-	-	-	-	metal-tube
122	492 71623	-	x	x	x	x	-	x	x	-	-	telesc. -tube clip
123	530 10233	-	x	x	x	x	-	x	x	-	-	telescopic tube
124	452 80167	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	-	-	dust indicator
125	530 10247	x	x	x	x	x	-	-	-	-	-	eco bend + hose
126	530 10235	x	x	x	x	x	-	-	-	-	-	eco bend
127	479 70072	x	x	x	x	x	x	x	x	-	-	nozzle
128	479 20123	x	x	x	x	x	x	x	x	-	-	nozzle strips
129	479 50062	x	x	x	x	x	x	x	x	x	x	crevice nozzle
130	479 60118	x	x	x	x	x	x	x	x	x	x	small nozzle
131	479 30176	x	x	x	x	x	x	x	x	x	x	brush nozzle
132	530 10248	-	-	-	-	-	x	x	x	-	-	rmc hose
138	530 10249	-	-	-	-	-	-	-	-	x	(x)	power grip hose
139	530 10251	-	-	-	-	-	-	-	-	x	x	power tube
150	417 11265	-	-	-	-	-	-	-	-	x	x	connection lock
140	441 11635	-	-	-	-	-	-	-	-	x	x	upper housing
141	460 11029	-	-	-	-	-	-	-	-	x	x	nozzle bumper
142	410 10187	-	-	-	-	-	-	-	-	x	x	release button
143	214 11362	-	-	-	-	-	-	-	-	x	x	PCB 230V
	214 11363	-	-	-	-	-	-	-	-	x	x	PCB 100-127V
144	402 10112	-	-	-	-	-	-	-	-	x	x	release spring/hook
145	528 10947	-	-	-	-	-	-	-	-	x	x	front wheels
146	528 10945	-	-	-	-	-	-	-	-	x	x	rear wheels
147	460 11031	-	-	-	-	-	-	-	-	x	x	bottom strip
148	441 11636	-	-	-	-	-	-	-	-	x	x	lower housing
149	479 30179	-	-	-	-	-	-	-	-	x	x	brush
150	417 11265	-	-	-	-	-	-	-	-	x	x	connection lock
151	530 10252	-	-	-	-	-	-	-	-	x	x	steering tube
152	361 10771	-	-	-	-	-	-	-	-	x	x	motor 230V
	361 10772	-	-	-	-	-	-	-	-	x	x	motor 100-127V
153	464 10061	-	-	-	-	-	-	-	-	x	x	frame
154	532 60915	-	-	-	-	-	-	-	-	x	x	frame buffer
155	358 10159	-	-	-	-	-	-	-	-	x	x	drive belt
156	460 11032	-	-	-	-	-	-	-	-	x	x	brush strips


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21÷31
32
33
1
2
3
4
5
6

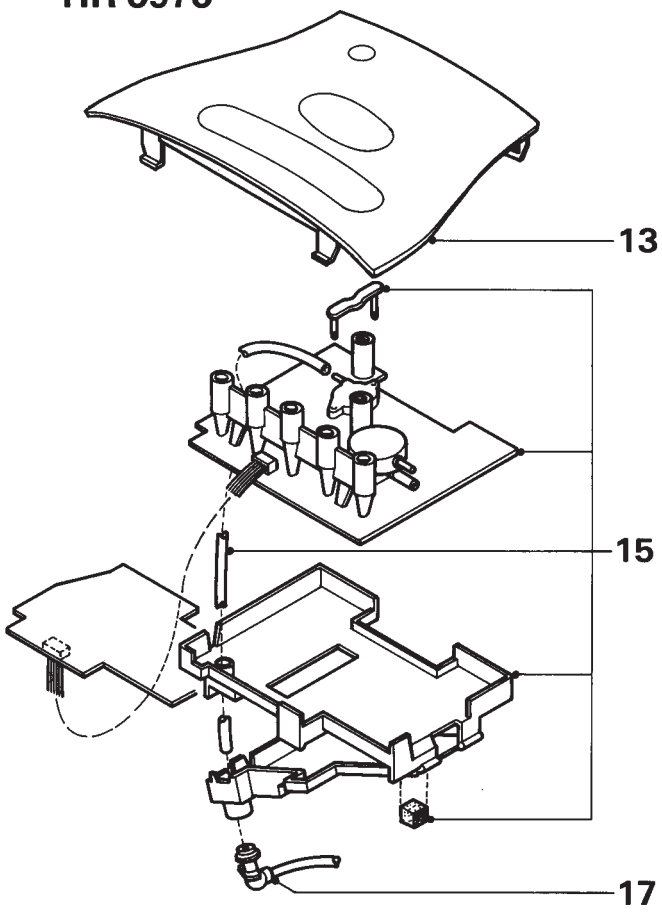

34
35
36
37
38
39
40
41
42
43
17
44
45
46
47
48
49
50
51
52
53
54
55
56
57
DAP 0174


138
132
5
6
1
2
3
4
150
120
122
139
121
123
125
126
124
130
131
129
127
128

DAP 182

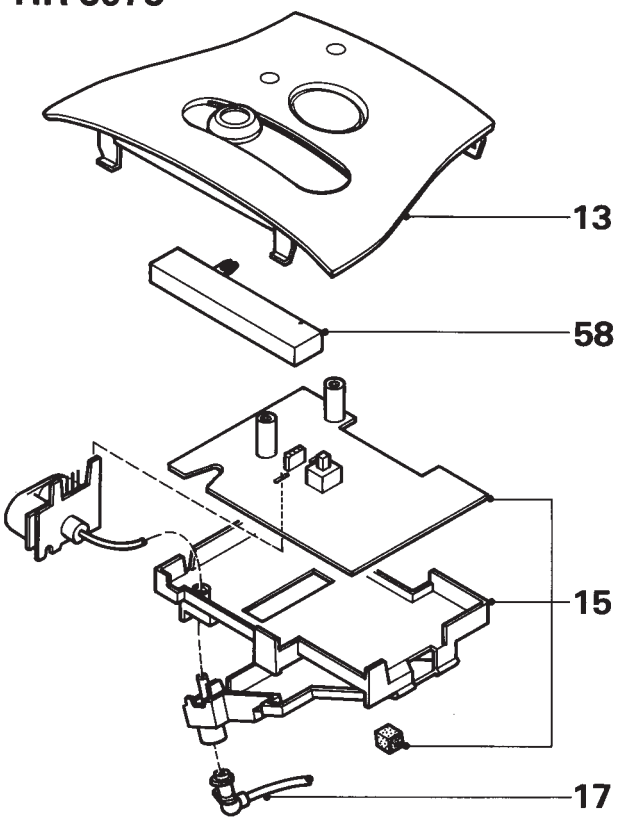

AUSTRALIA 26
EUROPE Ø 4.8mm 29
JAPAN 27
CH 30
GB 28
ITALY 31
22
23
21
B
24
25
B
DAP0181
PCS 86 703

HR 8978



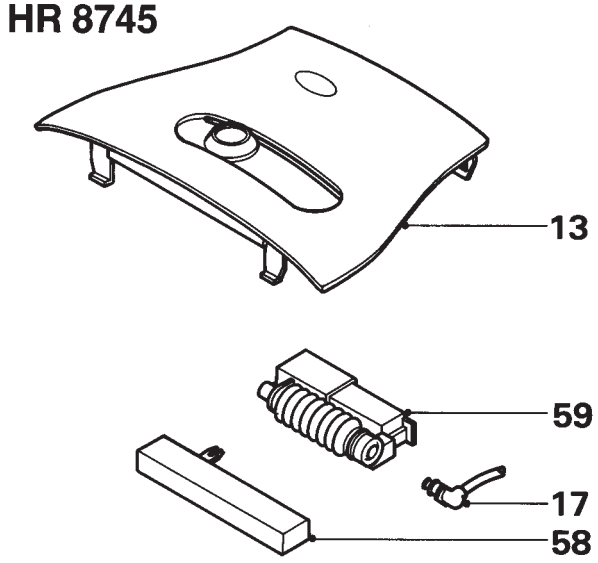
DAP0175

HR 8978



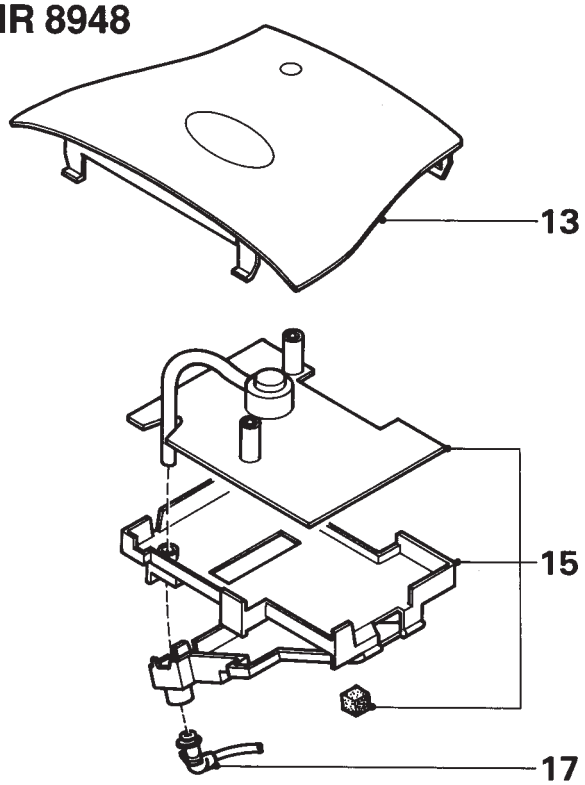
DAP0176

HR 8731
HR 8733
HR 8735
HR 8745

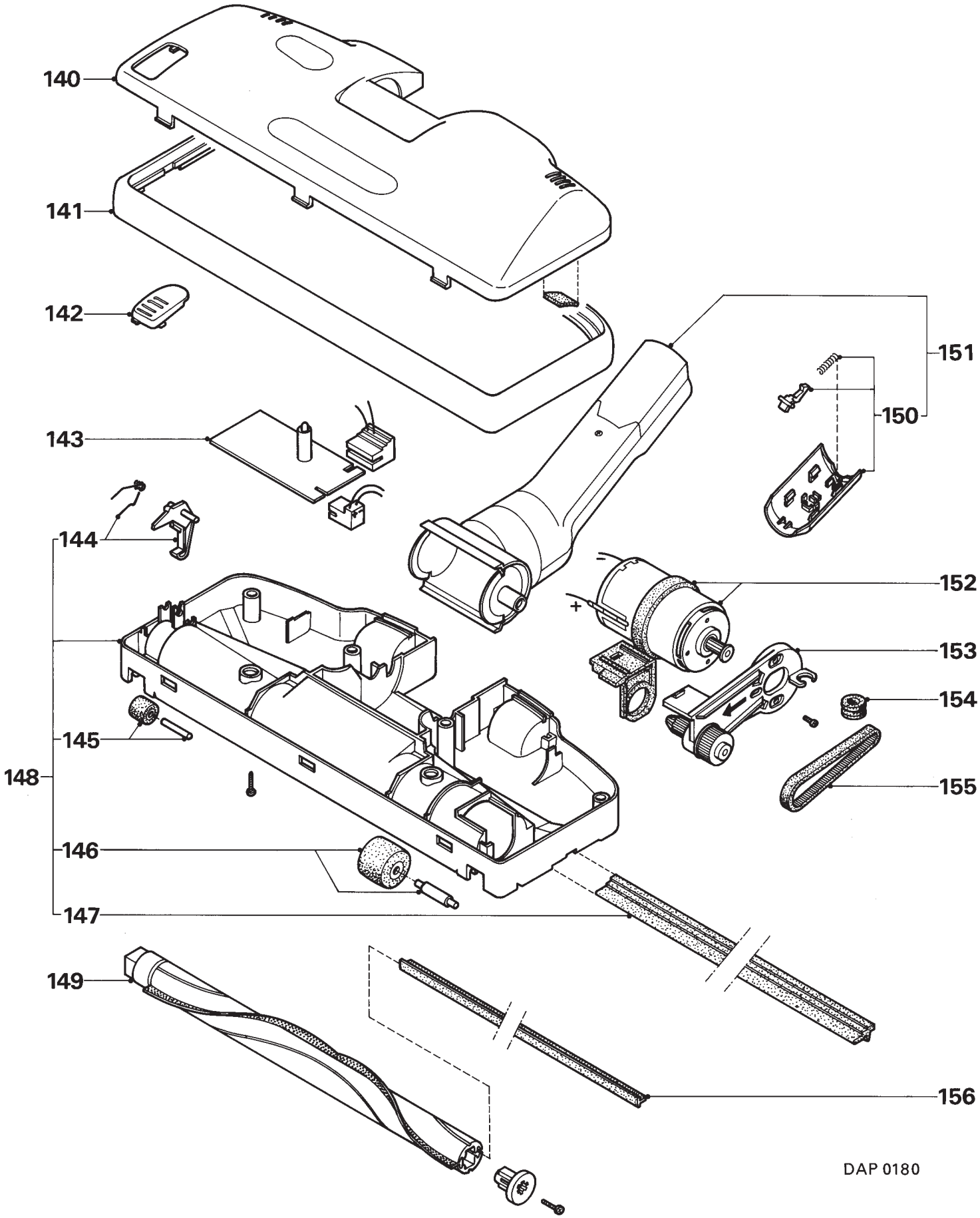


DAP0177

HR 8837
HR 8838
HR 8847
HR 8948



DAP0178


140
141
142
143
144
145
148
146
147
149
151
150
152
153
154
155
156
DAP 0180